

DERWENT-ACC-NO: 1985-261636

DERWENT-WEEK: 198542

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TITLE: Suspension for coating cathodes of gas-discharge devices
- contains triple-carbonate of alkali-earth metals,
magnesium zirconate, binder, and water

INVENTOR: BONDARENKO, S G; MERKUSHEV, O M ; VINOGRANDO, M V

PATENT-ASSIGNEE: LIGHT SOURCE RES IN[LIGHR]

PRIORITY-DATA: 1983SU-3569496 (March 31, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1148058 A	March 30, 1985	N/A	002	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
SU 1148058A	N/A	1983SU-3569496	March 31, 1983

INT-CL (IPC): H01J009/04

ABSTRACTED-PUB-NO: SU 1148058A

BASIC-ABSTRACT:

A suspension for coating cathodes of gas-discharge instruments contains triple carbonate of alkali earth metals, Mg zirconate, a binder, and a dispersing medium. The toxicity and explosion hazards during prodn. of instruments are diminished, by using as a binding suspension 9-10% K salt soln. of a copolymer of methyl methacrylate and methacrylic acid, with the content of the latter in the salt anion of 70-80 wt.%. The wt. ratio of soln. to the wt. of the solid material in the suspension is 0.05-0.25, and H₂O is used as a dispersing medium.

USE - The coating is used for the oxide electrodes of gas-discharge instruments, particularly for prodn. of luminescent lamps. Bul.12/30.3.85

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: SUSPENSION COATING CATHODE GAS DISCHARGE DEVICE
CONTAIN TRIPLE
CARBONATE ALKALI EARTH METAL MAGNESIUM ZIRCONATE BIND

WATER

DERWENT-CLASS: A85 L03 V05

CPI-CODES: A04-F04B; A04-F06E1; A10-E21; A12-E; L03-C03;

EPI-CODES: V05-L01; V05-L09;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1740U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 3000 0047 0231 3152 0418 0502 3013 0537 2001 2318 2506 2509 2675
2682 2728 2743 2850

Multipunch Codes: 014 034 04- 06- 074 075 077 081 082 10& 11& 230 231 24- 27&
316 398 47& 477 525 57- 59& 609 62- 623 627 650 722

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1985-113518

Non-CPI Secondary Accession Numbers: N1985-195514